DAVID L HOLDER	**864 Dunbarton Drive St. Charles MO**
Senior Software / Systems Engineer	**Cell Phone: 314 378 2511**

Career Summary: Highly experienced systems and software engineer specializing in military communications systems development and support. Performed as both developer / provider of products as well as military acquisition support. Experience with non-government development in medical device and commercial weather systems. Highly engaged with field user and customer requirements to ensure successful product development. Professional demeanor in office and field, training, and testing, and in any climate or country.

Education:

BSEE / BSCompE – University of Missouri – Columbia -- 1983
MSEE – University of Missouri – Columbia -- 1985

ADDITIONAL TRAINING:
Quality System Regulation -- General Overview (Medical Systems Software). Mar 1997
Essentials of Industrial Security Management (EISM) Independent Study. Feb 2006
Fundamentals of Systems Acquisition Management – Defense Acquisitions University. Aug 2010
Software Acquisition Management – Defense Acquisitions University SAM 101
Dec 2011.

PROGRAMMING
C/C++,C#; Java; Visual Basic; Transact-SQL; HTML; VBScript; Pascal; PLI; Assembly
PLATFORMS
Windows 7/XP/2000/NT; Linux; Unix; WindowsMobile;
TECHNOLOGIES
COM/ActiveX; Microsoft ActiveX Template Library; Microsoft Development Classes; Microsoft .NET; Database access using ODBC, OLE-DB, and XML; Sharepoint user;

TOOLS

IDE/Build	Eclipse, Microsoft Visual Studio; Borland C++; Ant; NUnit Test;
Source Control	CVS; SVN; Visual Source Safe;
Other	Microsoft Project, Office, Access, VISIO.

Patents

- "Phase Active Diffractive Optical Method"; 6,404,553; 2002
- "Electro-Optic wedge structure for beam steering and method of manufacture"; 5,615,029; 1997
- "Beam Steered laser IFF system"; 5,459,470; 1995
- "Laser Vibrometer identification friend-or-foe (IFF) system"; 5,434,668, 1995
- "Hardware-in-the-Loop TOW missile system simulator"; 5,224,860; 1993

DAVID L HOLDER

SPECIFIC PROJECT EXPERIENCE:

Holder Technology Inc,
St. Charles, MO   2011 – Present
- Handheld platform research and development – Windows Mobile Platform.
- Software (Java / Android) research and training.
- Software Acquisition Training

QINETIQ-North America (QNA)
Test Engineer, Senior Principal   2010 – 2011
- Supported Blue Force Situational Awareness (BFSA) office requirements analysis, software and hardware integration testing and field test, trouble reporting and tracking.

Holder Technology Inc.
St. Charles, MO   USMC / Navy Government contract support   2001 -- 2010
- USMC Software Lead (contractor): Performed BFSA (Blue Force Situational Awareness) team Software Lead function, including test support for vendor qualification, developmental test, risk reduction test events and field tests with focus on requirements fulfillment and tracking.
- Developed connection software for MRC-DU (Mounted refresh computer – display unit) – a LAN connected remote display for use in USMC vehicles.
- Performed overseas (Okinawa Japan) product introduction training and field user feedback demonstration.
- Provided systems engineering support, engineering analysis, operational and functional requirements analysis, feasibility analysis, development analysis, and technical and design analysis to the Blue Force Tracker (Army / Marine Corps Joint COP – Current Operating Picture – effort to facilitate joint operations and digital communications)
- Provided network planning and feasibility studies and communications and protocols that help define, test, and analyze the SINCGARS radio network , JVMF / 188-220 / 2045-47001B protocols, including AUTODINDMS, Tactical Message Traffic (IDS-8648, HF/UHF VP, Point-to-point, LAN protocols), and Network Protocols (TTY, TCP/IP, HDLC, X.25, etc.)]

Quantum Systems LLC.
St. Peters, MO   Partner   1999 -- 2001
- Designed and developed Close Air Support (CAS) and Fire Support (FS) systems on Marine Corps Ruggedized Handheld Computer (RHC) for USMC Warfighting Lab
- Performed engineering analysis and development, and operational, technical, and functional requirements analysis on the ACASS (Automated Close Air Support System) and UCATS (Universal Combined Arms Targeting System).
- Conducted system impact assessments for the purposes of streamlining and enhancing the CAS (Close Air Support) and FO (Forward Observer) and provided system design for the ACASS and UCATS systems

- Responsible for requirements development, software design and development, testing, Forward Air Controller (FAC) and Pilot training, field testing, field demos, and follow-on support for the CAS and FO systems
- Performed systems hardware and software integration and testing for the **ACASS system with AV8B** (Harrier) air platform.
- Provided situational awareness of Forward Air Controller/Forward Observer using integrated GPS and maps/imagery and digital communications with aircraft of AFATDS system.

PC Innovators,
St. Louis MO Senior Software Developer   1996 -- 1999

- Performed engineering analysis, requirements (operational, technical, and functional), design and development analysis, feasibility studies, and design impact analysis on the **RWIS (Road/Runway Weather Information System)**
- Automated modem/phone connection to in-home medical equipment for monitoring use and equipment efficiency and operation for the Medical Nellcor-Puritan Bennett **"Companion" Oxygen Concentrator.**
- Programmed Windows 95 virtual device driver and handheld remote control device for Storz Instruments surgical equipment (ophthalmology).

Emerson Electric / Systems & Electronics Inc., (Now a division of DRS)
St. Louis MO Senior Engineering Specialist   1985 -- 1996

- Maintained 11 years as a Senior Engineering Specialist designing and developing military software and hardware in the Advanced Development Center – an advanced R&D group at Systems and Electronics.
- Developed Optical Devices and control systems,
- Performed overseas (Sardinia Italy) field qualifications for helicopter mounted missile firings.
- Developed and Fielded Image Processing systems, and Target Identification and Tracking systems, and Radar systems.